Gold Bond
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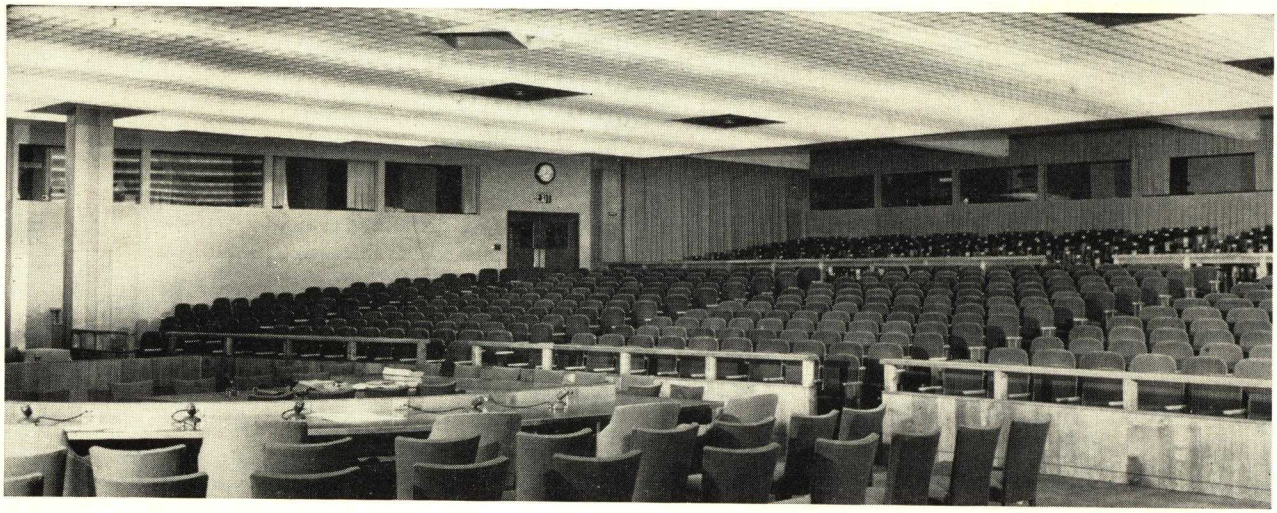
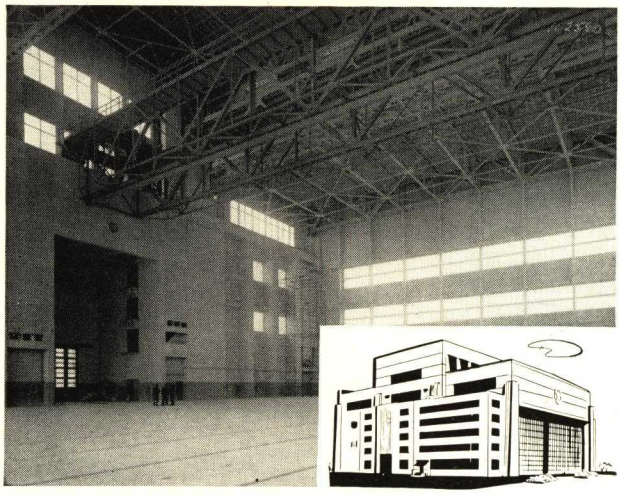


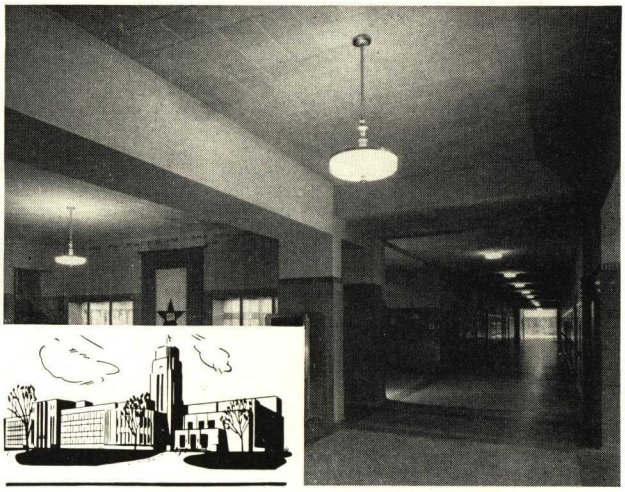
UNITED NATIONS HEADQUARTERS, Lake Success, L. I. Gold Bond engineers were called in to sound-condition the main conference room, the main lobby and many other rooms at United Nations Headquarters.

IMPORTANT sound control installations like those shown on this page are handled in stride by National Gypsum Company's approved acoustical contractors. Located at strategic points throughout the United States, they are readily available for on-the-spot consultations.

AK-SAR-BEN COLISEUM, Lincoln, Nebraska. All sorts of events, including cattle shows, hockey games, political meetings and symphony concerts are staged in this immense enclosed amphitheatre. Outstanding feature of its Gold Bond Sound Control is the monolithic ceiling which also provides thermal insulation.



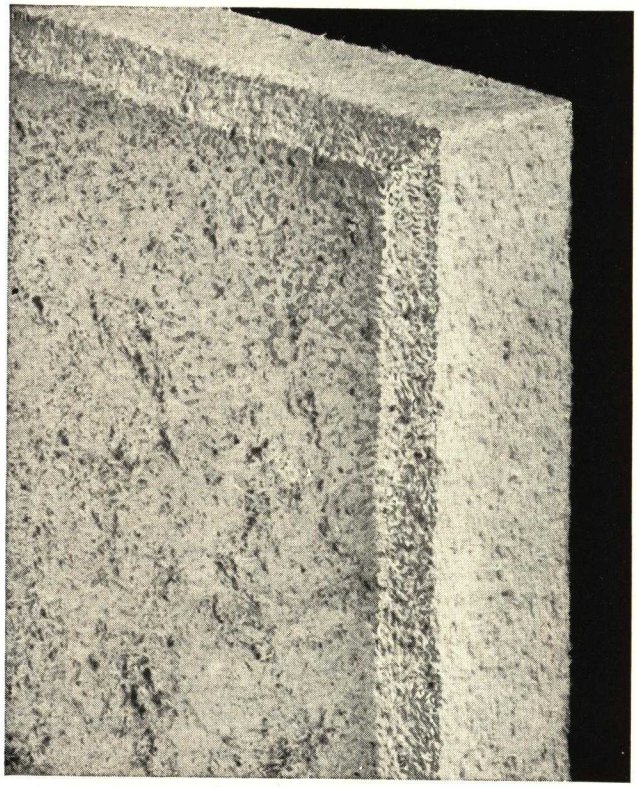
WRIGHT FIELD, Dayton, Ohio. In this A.A.F. Static Test Building, the entire sidewall area (138 ft. from floor to monitor roof) is lined with fireproof Gold Bond sound control materials.



SEXTON HIGH SCHOOL, Lansing, Michigan. Completely sound-conditioned. Auditorium, gymnasium, library, class rooms and corridors acoustically treated with Gold Bond sound control products.

Gold Bond SOUND CONTROL PRODUCTS

ECONACOUSTIC . . . A low-cost, all-wood-fibre tile . . . lightweight . . . attractive . . easily installed.



GOLD BOND Econacoustic is made from selected southern wood fibres by a special fabrication process that provides greater porosity without sacrificing strength. Actually, the material is a mass of intercommunicating channels that smother noise like magic. Lightweight, durable and permanent. A beautiful looking product, with distinctive brushed surface, it provides sound control, decoration and insulation in one operation, at a comparatively low cost.

Sound Absorption Data

Authority: Acoustical Materials Association

Thickness	Mounting (Described Below)	SOUND ABSORPTION COEFFICIENTS 128	256	512	1024	2048	Noise Reduction Coefficient
½ in.	1	.05	.17	.62	.83	.77	.60
½ in.	2	.09	.32	.75	.78	.74	.65

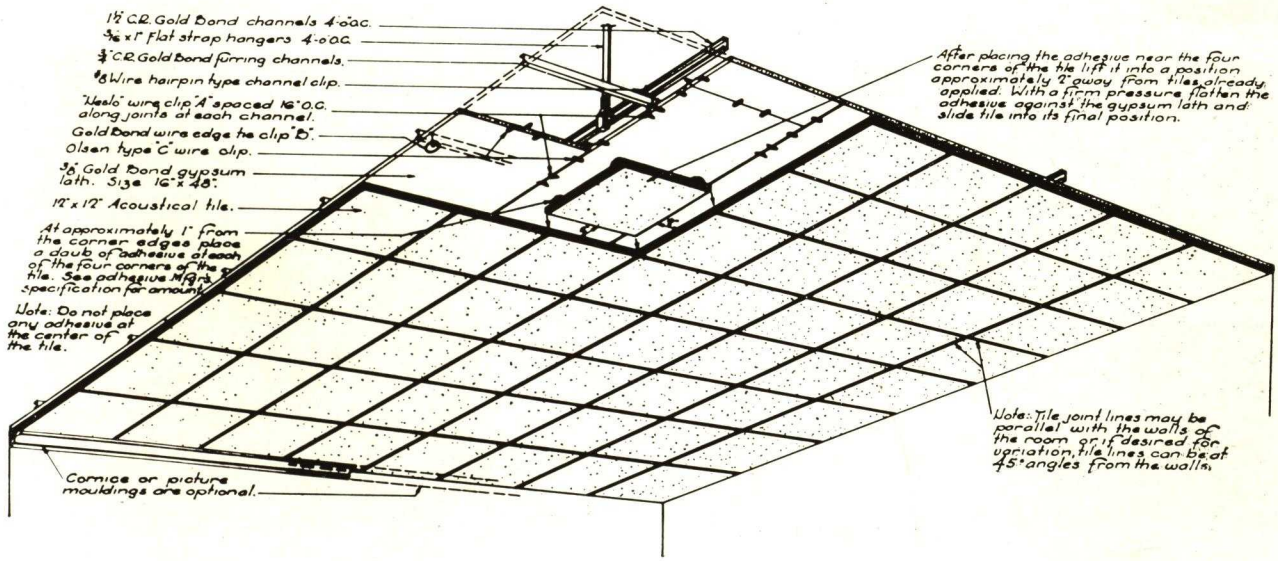
Types of Mounting:

(1) Cemented to plaster board. Considered equivalent to cementing to plaster or concrete ceiling.
(2) Nailed to 1″ x 2″ wood furring 12″ o.c. unless otherwise indicated.
NOTE: The surface of these samples was painted by manufacturer.

Thickness, Sizes and Colors

Econacoustic is supplied ½ in. and 1 in. thick . . . three sizes: 12 x 12, 12 x 24, 16 x 16 in., with brushed surface and beveled, butt edges all-around. Supplied in Natural Cream Color, also prepainted White and prepainted Cream. Where special colors are desired, decorate with Gold Bond Sunflex Casein Paint or interior oil paint. Spray painting is recommended, with a minimum of paint to be used.

Gold Bond Econacoustic is sold and applied only by sound control engineers, appointed by NATIONAL GYPSUM CO. Write Acoustical Dept. for list of approved applicators.

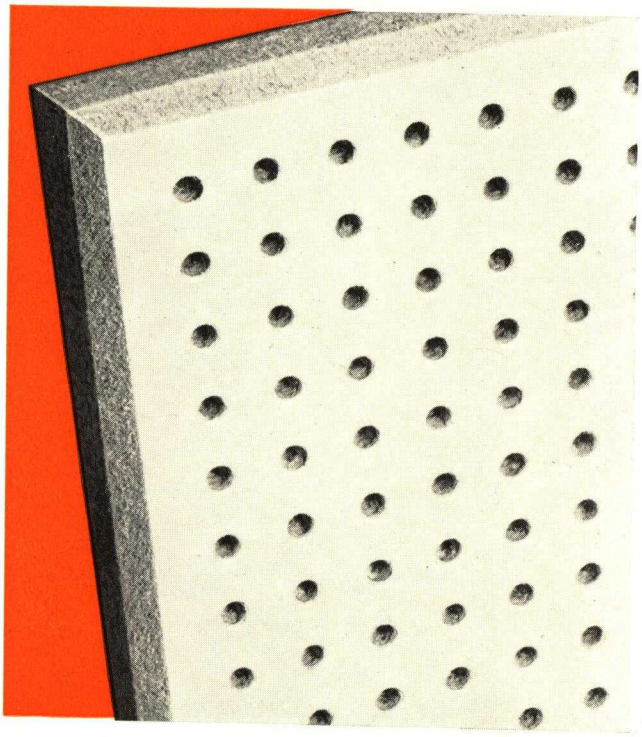

1½" C.R. Gold Bond channels 4'-0" o.c.
3/16" x 1" Flat strap hangers 4'-0" o.c.
¾" C.R. Gold Bond furring channels.
#8 Wire hairpin type channel clip.
"Use-lo" wire clip "A" spaced 16" O.C. along joints at each channel.
Gold Bond wire edge tie clip "B".
Olsen type "C" wire clip.
⅜" Gold Bond gypsum lath. Size 16" x 48".
12" x 12" Acoustical tile.
At approximately 1" from the corner edges place a daub of adhesive at each of the four corners of the tile. See adhesive MFR's specification for amount.
Note: Do not place any adhesive at the center of the tile.
Cornice or picture mouldings are optional.
After placing the adhesive near the four corners of the tile lift it into a position approximately 2" away from tiles already applied. With a firm pressure flatten the adhesive against the gypsum lath and slide tile into its final position.
Note: Tile joint lines may be parallel with the walls of the room or, if desired for variation, tile lines can be at 45° angles from the walls.

FINAL STEP - GYPSUM BASE ACOUSTICAL TILE CEILING ASSEMBLY

Gold Bond SOUND CONTROL PRODUCTS

ACOUSTIFIBRE . . A wood-fibre tile combining high noise reduction and light reflection. Repaintable.

FABRICATED by a special process from the fibres of live southern woods, Gold Bond Acoustifibre has greater inherent noise-absorbing ability than any other fibre tile on the market today. The three-coat factory painted finish makes ceilings stay brighter, longer. 441 holes approximately 3/16" in diameter in each square foot of tile area permit repainting without loss of noise reducing efficiency. Any of the usual types of interior wall paint may be applied by spraying or brushing.



Thickness and Sizes

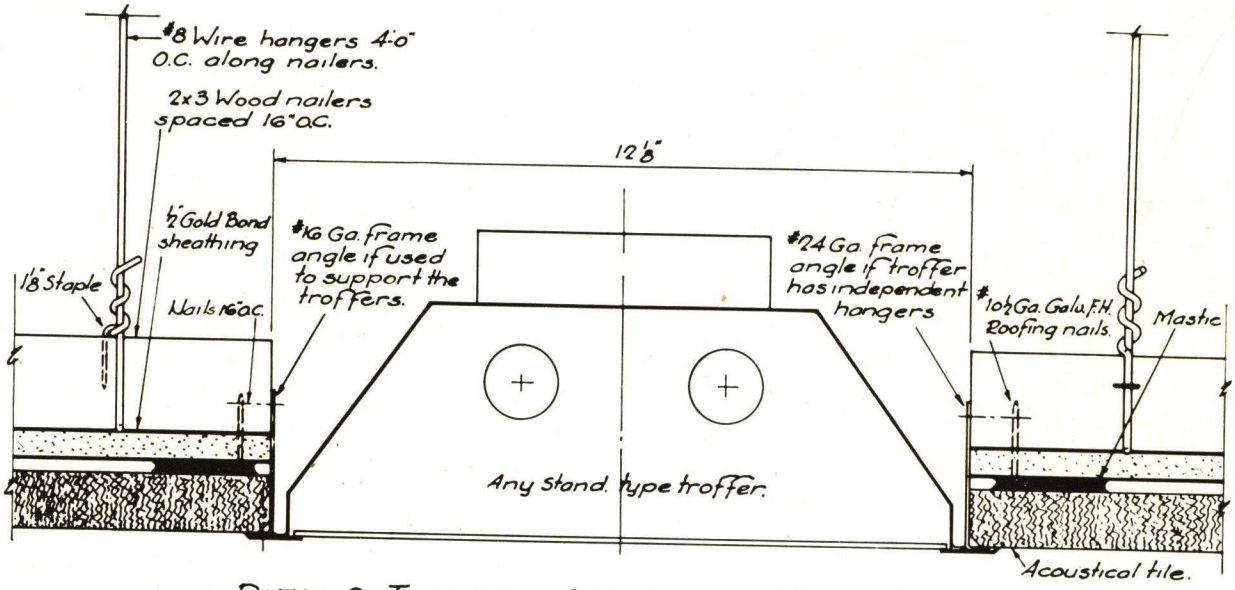
Gold Bond Acoustifibre is made in one thickness, 5/8", and in two sizes, 12" x 12" and 12" x 24" with beveled butt edges all around. The tiles are cemented to existing ceiling materials or blind nailed to furring strips with 16 gauge x 3/4" wire nails driven through the corner holes.

Sound Absorption Data

Authority: Acoustical Materials Association

Thickness of Tiles	Mounting	SOUND ABSORPTION COEFFICIENTS						Noise Reduction Coefficient
		128	256	512	1024	2048	4096	
5/8"	Cemented to Plaster Board	.10	.16	.62	.97	.81	.73	.65
5/8"	Nailed to 1" x 2" Wood furring	.13	.38	.72	.89	.82	.66	.70

Gold Bond Acoustifibre is sold and installed by the Approved Gold Bond Acoustical Contractors. Names of nearby contractors furnished on request.


#8 Wire hangers 4'-0" O.C. along nailers.
2x3 Wood nailers spaced 16" O.C.
12 1/8"
1/2 Gold Bond sheathing
#16 Ga. frame angle if used to support the troffers.
#24 Ga. frame angle if troffer has independent hangers
1/8" Staple
Nails 16" O.C.
#10 1/2 Ga. Galv. F.H. Roofing nails.
Mastic
Any Stand. type troffer.
Acoustical tile.

DETAIL OF TROFFERS SET ACROSS WOOD NAILERS

Gold Bond

SOUND CONTROL PRODUCTS

ACOUSTEX . . . A tough, durable, fibrous tile recommended for jobs where ruggedness counts.

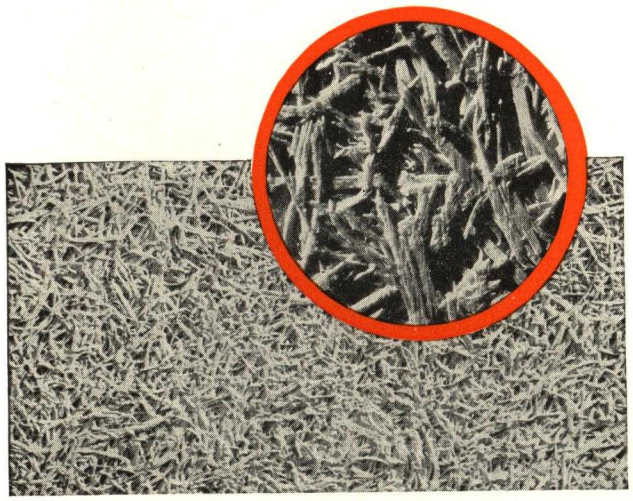
IN choosing an acoustical material, sound absorption is, of course, of major importance. However, on many jobs, equal consideration should be given to the ruggedness and durability of the product and its ability to withstand unusually harsh treatment. For example, in gymnasiums—especially where softball is played—the acoustical material must be able to take plenty of punishment year in and year out. Another important use for acoustical products is the lining of control rooms in airplane testing chambers. Here, the acoustical material is asked to withstand terrific vibrations, intense enough to cause fragile material to crumble and deteriorate over a period of time. For jobs of this kind—where ruggedness counts—Acoustex can be depended upon to give lasting satisfaction.

Description

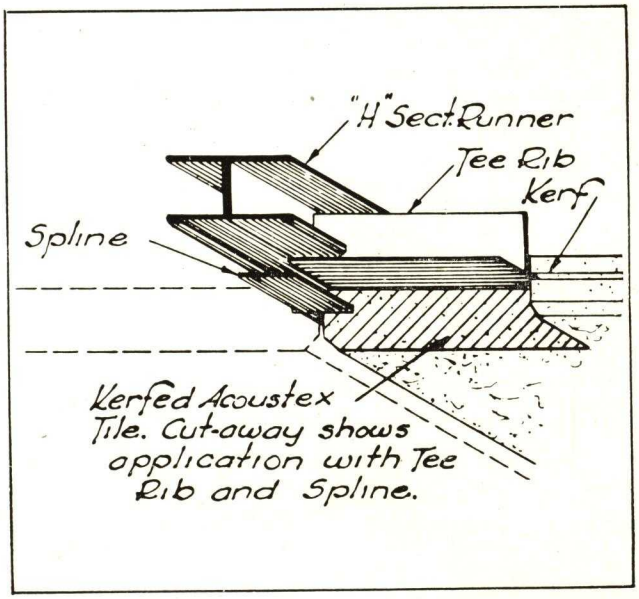
Acoustex is fabricated from selected wood that is shredded, then toughened by a hard-setting cement binder, which imparts extreme strength and durability. It retards fire effectively, is sanitary and easily cleaned. Impervious to mould growth and decay. Acoustex can be sawed like wood, is non-brittle and not easily broken in handling. Supplied with artistic textured surface, and with beveled, butt edges all around.

Colors

Acoustex is factory-painted in standard ceiling colors. Where special colors are desired, Acoustex may be painted to suit. It may be redecorated again and again with any good interior paint with no appreciable loss of sound absorption.



Close-up view of distinctive surface of an Acoustex ceiling which harmonizes beautifully with practically any wall treatment. Micro-photo in circle shows how interlacing of fibres forms a mass of noise-trapping channels.



Sound Absorption Data

Authority: Acoustical Materials Association

Thickness	Mounting (Described Below)	SOUND ABSORPTION COEFFICIENTS 128	256	512	1024	2048	Noise Reduction Coefficient
¾″	2	.09	.17	.59	.90	.75	.60
¾″	7	.18	.35	.87	.89	.87	.75
⅞″	2	.24	.40	.82	.90	.72	.70

Types of Mounting

2. Nailed to 1″ x 2″ wood furring 12″ o.c. unless otherwise indicated.
7. Attached to metal supports mounted on 2″ x 2″ wood furring.

NOTE: The surface of all samples tested was painted by manufacturer.

Sizes and Thicknesses

STANDARD ACOUSTEX

TILE SIZES: 12″ x 12″, 12″ x 24″, ¾″ and ⅞″ thick.

ACOUSTEX FOR SUSPENDED CEILINGS

Acoustex can be specially grooved for suspended ceiling application.

Installed by Experienced Applicators

Gold Bond Acoustex is sold and applied only by sound control engineers appointed by National Gypsum Company. Write for list of approved applicators.

Gold Bond

SOUND CONTROL PRODUCTS

ACOUSTIMETAL . . . . Maximum sound absorption and light reflection. Withstands years of hard use.

SCIENTIFIC research by Gold Bond acoustical engineers in designing scores of huge airplane engine test-cells during World War II has now made possible many refinements in the new, improved Acoustimetal. These outstanding advantages include:

1. **90% Light-Reflecting Surface** without any loss of sound absorbing efficiency.
2. **Galvanized Steel "Pans"** to provide higher resistance to rust and corrosion.
3. **Bonderizing** to provide greater adhesion between paint and metal and to prevent formation of rust.
4. **Improved Finish** of alkyd resin enamel to resist discoloration and abrasion.
5. **Electro-Static Coating** to insure an enamel surface of uniform density.
6. **New Type Spacer Grid** to keep Rock Wool Acoustipad a uniform $\frac{3}{8}$" from metal casing, for maximum sound absorption.

Fireproof, Permanent, Removable

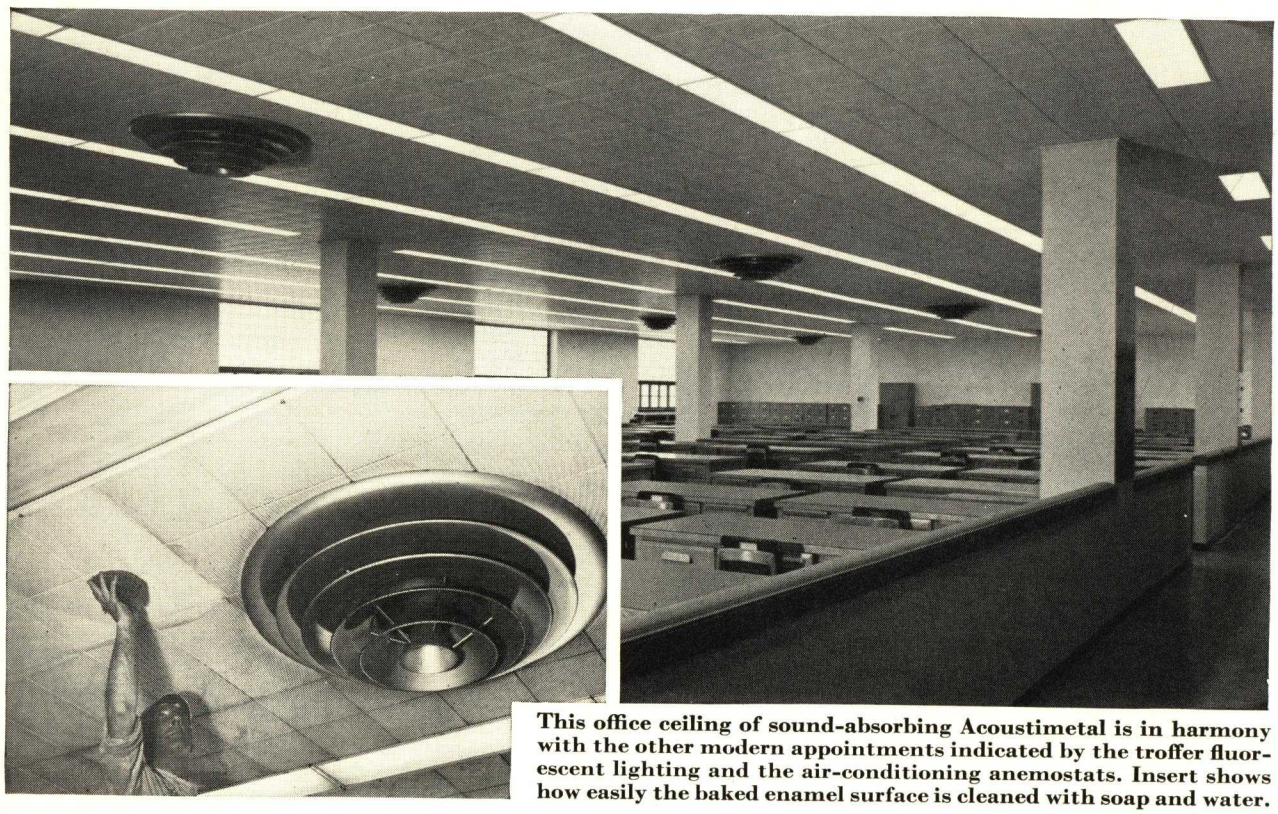
Gold Bond Acoustimetal has a noise reduction coefficient of 85%, and a sound absorption rating of .97 at 512 cycles. It is fireproof and permanent and gives distinctive beauty as well as improved acoustics to interiors. Easy to erect, it is also easy to remove for the installation or repair of wiring, plumbing, etc.—a feature of utmost importance in buildings where alterations are frequently required. It can be replaced quickly, saving the otherwise unavoidable expense of patching and repainting. Can be washed with soap and water. Factory-painted white, but may be repainted in any other color without loss of its sound-absorption qualities.

SOUND ABSORPTION COEFFICIENTS
Authority: Acoustical Materials Association

THICKNESS OF PAD	128	256	512	1024	2048	NOISE REDUCTION COEFFICIENT
1¼ in.	.26	.47	.97	.99	.88	.85

Installed by Experienced Applicators

National Gypsum Company has appointed 50 specially trained acoustical engineers in various districts of the United States to supervise the installation of Acoustimetal and other Gold Bond acoustical products. These applicators, may be called in for consultation on acoustical problems.



This office ceiling of sound-absorbing Acoustimetal is in harmony with the other modern appointments indicated by the troffer fluorescent lighting and the air-conditioning anemostats. Insert shows how easily the baked enamel surface is cleaned with soap and water.

SPECIFICATIONS

Scope of Work

Furnish and install Gold Bond Acoustimetal units to cover ceiling surfaces in the following spaces: (List here the rooms where Acoustimetal unit ceilings are required, or refer to Schedule of room finishes.) Gold Bond Acoustimetal units shall also be supplied and installed on wall surfaces as follows: (Give an exact description of the extent of wall surfaces to be covered.)

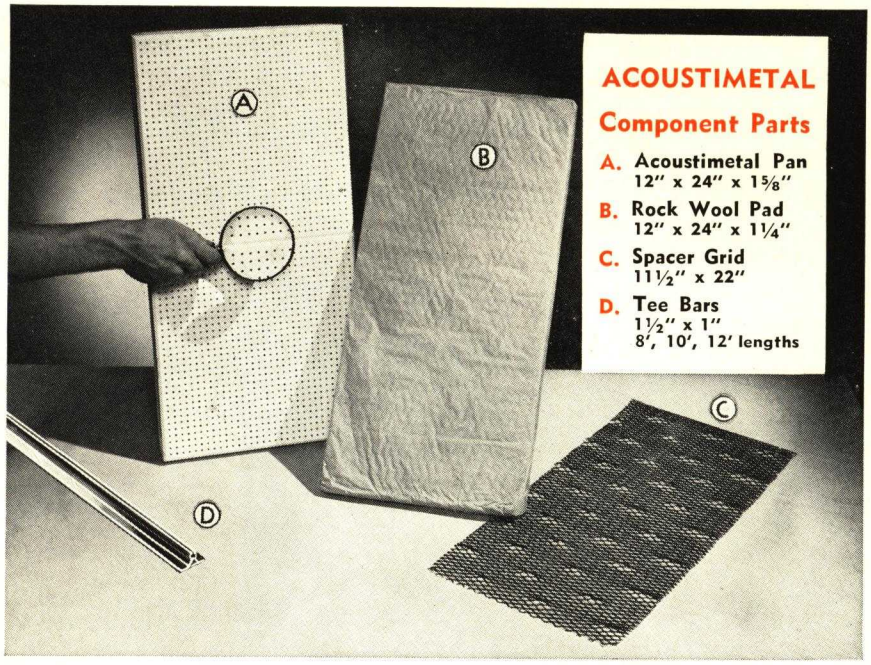
Work by others

(a) Suspended Ceilings, Metal Furring. Contractor for metal furring shall supply and install 1½ in. steel angles or channels in one direction on 4 ft. centers, rigidly suspended from the supporting structure according to standard practice, with the bottoms of angles or channels in a true and level plane 1⅝ in. above the finished ceiling level. A 1½ in. angle or channel shall be placed not over 9 in. from walls or other terminating surfaces which parallel the direction of angles or channels.

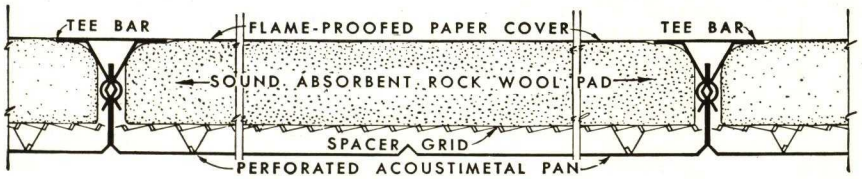
(b) Suspended Ceilings, Plaster. Others shall supply and install suspended ceilings of lath and plaster (scratch and brown coats), brought to a true and level surface 2⅜ in. above the finished ceiling level.

(c) Wood Framing. Contractor for carpentry shall supply and install wood framing members 4 ft. on center, in one direction. They shall be suspended from the supporting structure 1⅝ in. above the finished ceiling levels.

(d) Wood Mouldings—If required, to be supplied and installed by carpenter contractor.



TYPICAL CROSS SECTION OF ACOUSTIMETAL SYSTEM



Materials

Acoustimetal Pans—Shall be of 26 gauge galvanized steel, bonderized; with 1024 holes, .109 in diameter, per square foot. Pans shall be 12 in. x 24 in. in size with beveled edges, bevels and flanges unperforated. They shall be scored in the center to give the appearance of 12 in. x 12 in. beveled edge squares. The exposed surface shall be painted with alkyd enamel, baked on. Color shall be white or cream, as selected.

Rock Wool Pads—Shall be 1¼ in. thick and 12 in. x 24 in. in size. Pads shall be completely encased on all sides in flameproofed paper.

Spacer Grids—Shall be of metal mesh corrugated to support the pads ⅜ in. above the surface of the Acoustimetal Pans.

Tee Bars—Shall be the standard Acoustimetal supporting members made of 22 gauge copper-bearing steel.

Assembled Unit—The Assembled Acoustimetal Unit, comprising Pan, Spacer Grid and Rock Wool Pad shall have a sound absorption coefficient of .97 at 512 cycles and a noise reduction coefficient of .85 according to tests published by Acoustical Materials Association.

Installation

(a) Suspended Ceilings, Metal Furring—Tee bars shall be secured to 1½ in. angles or channels with tie wire, metal clips or other fastener approved by the National Gypsum Company.

(b) Suspended Ceilings, Lath and Plaster—2 in. x 2 in. wood ground strips shall be installed in one direction on 4 ft. centers by the acoustical contractor. The ground strips shall be secured by double strands of No. 12 ga. galvannealed wire to ½ in. box channels which shall bridge the existing furring channels at intervals of not more than 4 ft. Tee bars shall then be fastened to the ground strips with screws and metal washers, the screws being driven along the flanges of the tee bars.

(c) Wood Framing—Tee bars shall be secured to wood framing with screws and metal washers as outlined in (b) above.

(d) Concrete Arch—Install 2 in. x 2 in. wood ground strips, using an approved anchor fastener and secure tee bars to ground strips with screws and metal washers as outlined in (b) above.

(e) Hollow Tile Arch—Secure wood ground strips to tile with toggle bolts and tee bars to ground strips with screws and washers as outlined in (b) above.

(f) Plaster Surface on Concrete or Hollow Tile Arch—Same as (d) or (e) above.

(g) Bar Joist Construction—Tee bars shall be wired or clipped to bottom of joists.

(h) Suspended Ceilings, Direct Suspension—Suspend Tee bars at proper level by fastening to metal strap hangers which shall be securely anchored to supporting structure. Strap hangers shall be placed not over 4 ft. on centers. In all cases, tee bars shall be 2 ft. on centers unless otherwise specified.

Placement of Units—Assemble spacer grids and rock wool pads in Acoustimetal pans and push turned-up ends of pans into the spring clips of the tee bars.

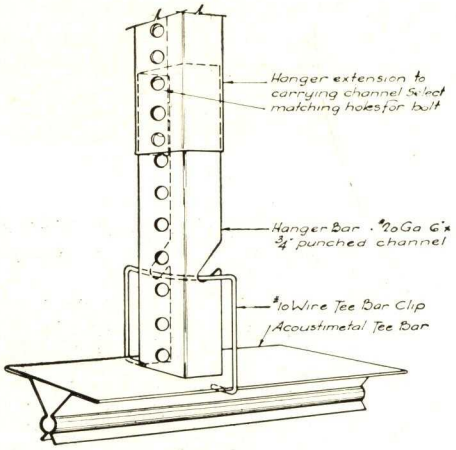
Finishing—Where the Acoustimetalled area finishes against walls or other vertical surfaces, the Acoustimetal pans shall be cut to fit. The edges of the pans shall be supported by:

(a) by resting on the flange of channel sections furnished and secured to the vertical surface by the acoustical contractor.

(b) by tacking to wood grounds furnished and installed by the carpenter contractor.

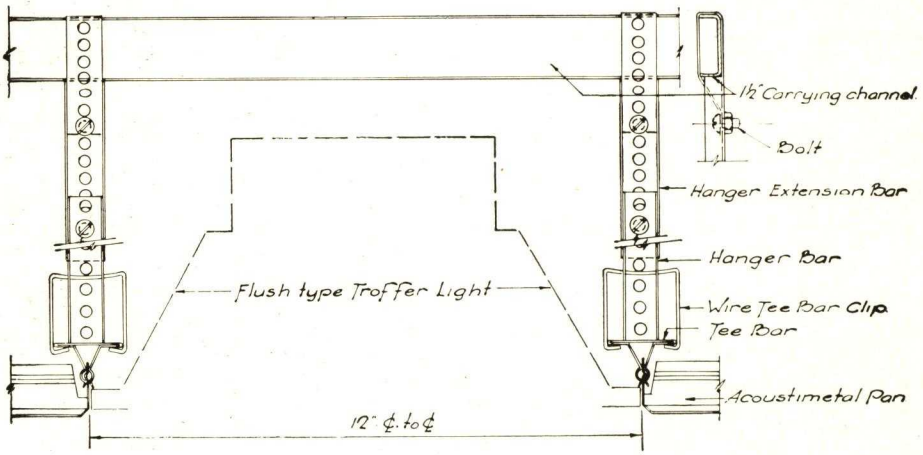
If edge channel sections are used, their bottom flanges, (which serve as cover heads) shall be prime painted before installation. If pans are tacked to wood grounds, the tacked edges shall be covered with wood mouldings supplied and installed by the carpenter contractor.

GOLD BOND ACOUSTIMETAL

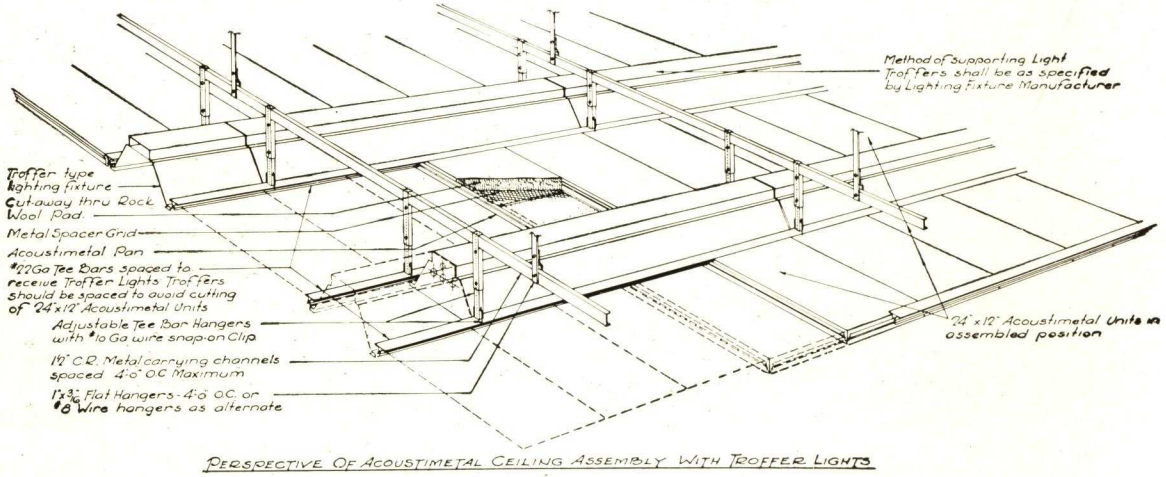

Hanger extension to carrying channel. Slot matching holes for bolt
Hanger Bar - #20 Ga 6" x ¾" punched channel
#10 Wire Tee Bar Clip
Acoustimetal Tee Bar

DETAIL OF TEE BAR HANGER

Larger scale prints of these perspective drawings will be sent free of charge to interested architects or engineers.



SECTION DETAIL AT TROFFER


Method of supporting Light Troffers shall be as specified by Lighting Fixture Manufacturer
Troffer type lighting fixture
Cut-away thru Rock Wool Pad
Metal Spacer Grid
Acoustimetal Pan
#22 Ga Tee Bars spaced to receive Troffer Lights. Troffers should be spaced to avoid cutting of 24"x12" Acoustimetal Units
Adjustable Tee Bar Hangers with #10 Ga wire snap-on Clip
1½" C.R. Metal carrying channels spaced 4'-0" O.C. Maximum
1"x3/16" Flat Hangers - 4'-0" O.C. or #8 Wire hangers as alternate
24" x 12" Acoustimetal Units in assembled position

PERSPECTIVE OF ACOUSTIMETAL CEILING ASSEMBLY WITH TROFFER LIGHTS

Gold Bond

SOUND CONTROL PRODUCTS

SPRAYED "LIMPET" ASBESTOS . . . Fireproof. Especially adaptable to irregular surfaces.

"LIMPET" is an acoustical material, simple and unique in composition and application, consisting of pure asbestos fibres mixed with a special binder and sprayed on the surface to any desired thickness. Comes ready to apply.

Fireproof . . . Permanent

A thin mist of water combined with asbestos fibres dampens the binder and produces a light, fluffy, snow-like blanket which bonds tightly with the surface. It is fireproof . . . rot-proof . . . permanent. Pressing with a cork float gives a beautiful finish.

Sprayed "Limpet" Asbestos can be painted repeatedly without destroying its acoustical properties. May be scored wet to produce decorative effects. Will retain its beauty and deliver satisfactory acoustical correction year after year.

Double Action Sound Reduction

Sprayed "Limpet" Asbestos gives double acoustical value. The continuous seamless blanket snubs sound by diaphragmatic action and absorbs sound because of its porosity. It is ideal for monolithic installations even where intricate design is involved.

Sprayed "Limpet" Asbestos imposes no limitations on the architect. Can be applied to any clean surface, barrelled ceilings, curves, decorative recesses, and intricate corners. Installed by factory-appointed Gold Bond acoustical applicators. See directory on back cover.

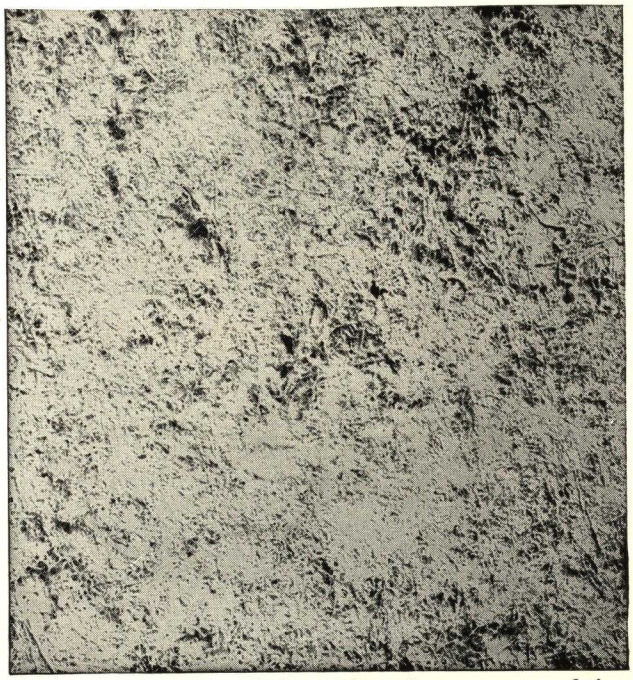
Sound Absorption Data

Authority: Acoustical Materials Association

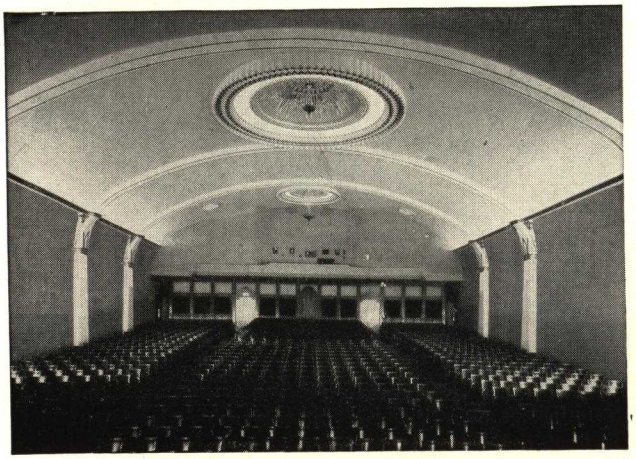
Backing	Thickness	Painting	FREQUENCY Cycles per Second						Noise Reduction Coefficient
			128	256	512	1024	2048	4096	
A	¾"	2 Coats	.09	.23	.67	.90	.93	.87	.70
B	½"	Unpainted	.25	.78	.97	.81	.82	.85	.85
B	¾"	Unpainted	.41	.88	.90	.88	.91	.81	.90
B	¾"	10 Coats	.48	.91	.91	.86	.87	.87	.90

A **SOLID BACKING**—For this test the "Limpet" was sprayed on a solid backing. The panels were laid face up on the floor of the reverberation chamber. This is equivalent to application on a solid surface such as plaster or masonry.

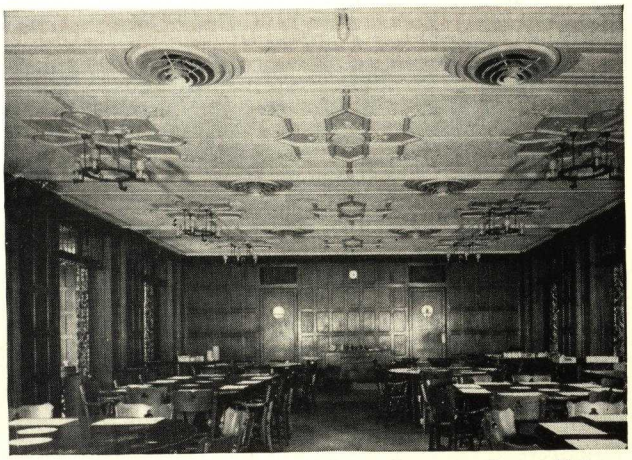
B **METAL LATH**—This group of tests was made on "Limpet" sprayed directly on metal lath with an air space behind the lath. The thickness of "Limpet" shown is measured in each case from the back of the lath. Notice particularly the high sound absorption at all frequencies when so applied.



A close examination of the surface shows a mass of tiny sound-trapping ducts, but when observed from normal eye level a Sprayed "Limpet" Asbestos application appears comparatively smooth and stone-like.



Sprayed "Limpet" Asbestos is the ideal acoustical material for curved walls like this. "Limpet" from wainscot to cove. Melrose Theatre, Los Angeles.



Sprayed "Limpet" Asbestos brought sound conditioning to this dining room at the Engineers' Club at Dayton, Ohio without disturbing the ceiling design.

TRADE MARK "LIMPET" REGISTERED U. S. PATENT OFFICE

Gold Bond ACOUSTICAL PLASTER

MACOUSTIC . . . New-formula acoustical plaster for fine-grained monolithic finish. Fireproof.

THE NEW Gold Bond Macoustic is a decorative, fireproof, sound-absorbing material that can be applied by any journeyman plasterer. With it, effective sound conditioning can be built into almost any new structure at very little expense beyond the cost of normal plastering.

Adaptable

Gold Bond Macoustic may be applied over flat or curved surfaces, coves and mouldings in the same manner as standard gypsum finish plasters. It imposes no limitations on architectural design. It may be used for all ceiling areas except over heated swimming pools or in other locations where continued high humidity is to be expected.

Pre-Colored

Macoustic is pre-colored in five standard ceiling tints, Natural (Oyster White), Ivory, Cream, Buff, Caenstone. Its fine grained surface requires no paint.

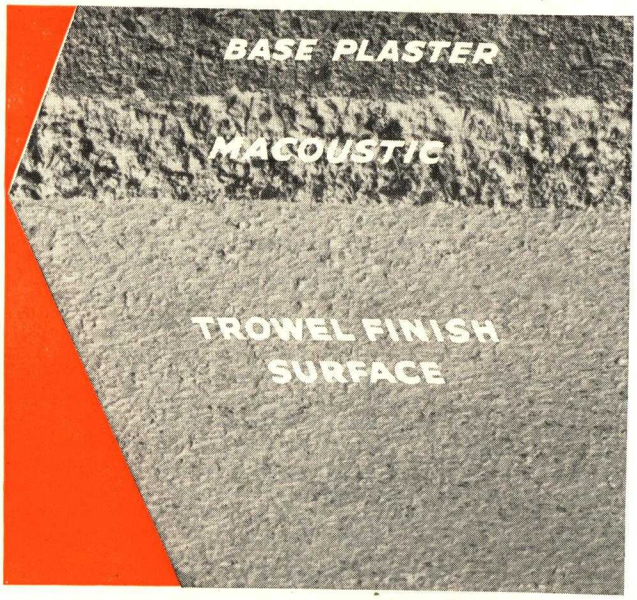
When special colors or decorative treatments are desired, Gold Bond Macoustic may be spray-painted with any good water-thinned interior wall paint without appreciable loss of sound absorption. Gold Bond Sunflex water-thinned paints are particularly recommended. These paints may be toned to any desired colors with Gold Bond Crafcolor.

Uniform Quality

To insure a uniform product of high sound absorption, Gold Bond Macoustic is factory blended under precise laboratory control and is delivered to the job in original bags. Notice that troweling to a smoother finish raises rather than lowers the noise reduction coefficient!

Permanent

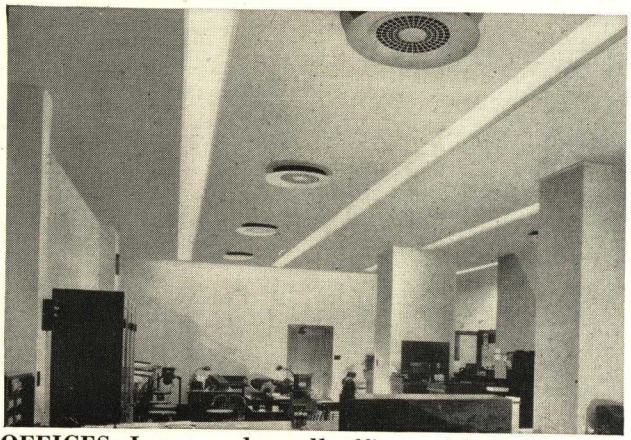
Gold Bond Macoustic is a mineral product which does not deteriorate after application either in strength or in sound absorbing efficiency. It is fireproof. It may be vacuum cleaned or painted to renew its fresh appearance.



This photographic cross-section shows the granular structure of Macoustic which creates millions of inter-connecting air pockets which help to give this acoustical plaster its high coefficient of noise reduction.

SOUND ABSORPTION COEFFICIENTS
B. S. Test No. VI-2-TN—107590-a-1106-1

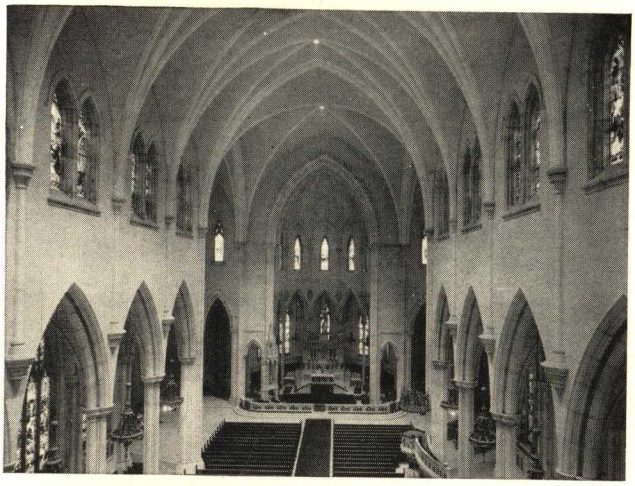
FREQUENCIES	128	256	512	1024	2048	4096	NOISE REDUCTION COEFFICIENTS
½″ Trowel Finish	.23	.25	.50	.76	.79	.80	.60
½″ Float Finish	.21	.24	.42	.76	.82	.76	.55



OFFICES. Large and small offices with Gold Bond Macoustic on the ceilings are quieter places to work in.

RESTAURANTS. Food and service seem better in restaurants which have been sound-conditioned with Macoustic.

GOLD BOND "MACOUSTIC" ACOUSTICAL PLASTER



CHURCHES. Macoustic sound conditioning enhances beauty and dignity of churches without compromising architectural design, insures perfect audibility.

THEATRES. Effective sound conditioning is built into theatres with Gold Bond Macoustic. Equally important in public buildings is the fact that Macoustic is fireproof.

SPECIFICATIONS

Scope

All ceiling areas (or the areas designated) shall be covered with Gold Bond Macoustic.

Material

Acoustical plaster covered by this specification shall be National Gypsum Company's Gold Bond Macoustic in the color specified (Natural, Ivory, Buff, Cream or Caenstone). It shall be delivered in original bags.

Base

Gold Bond Macoustic shall be applied only over a uniform, dry base coat of gypsum plaster. The base coat shall be level and thoroughly cross-raked.

Mixing

Mixing shall be done with clean tools and mixing equipment. Nothing but clean water shall be added to Macoustic Acoustical Plaster. Mixing shall be done as specified in manufacturer's printed instructions.

Application

Macoustic shall be applied in two coats, each coat to be ¼" or ⅜" thick. All details of application shall be in strict accordance with the National Gypsum Company's printed instructions which accompany each shipment.

Float Finish

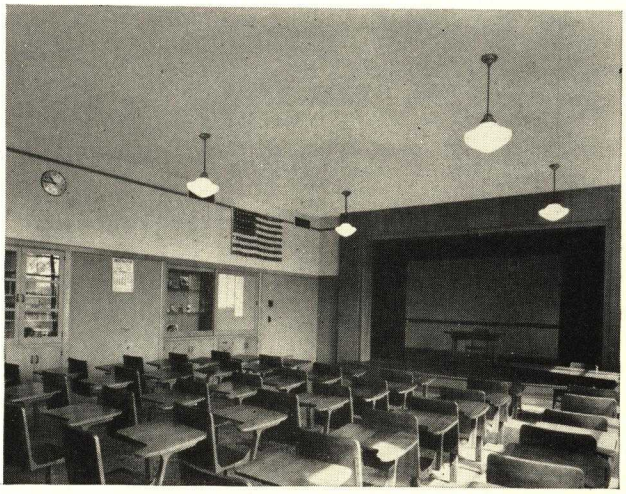
Macoustic shall be applied with a minimum of trowel pressure and finished lightly with a wood shingle float as the water sheen is leaving the surface.

Trowel Finish

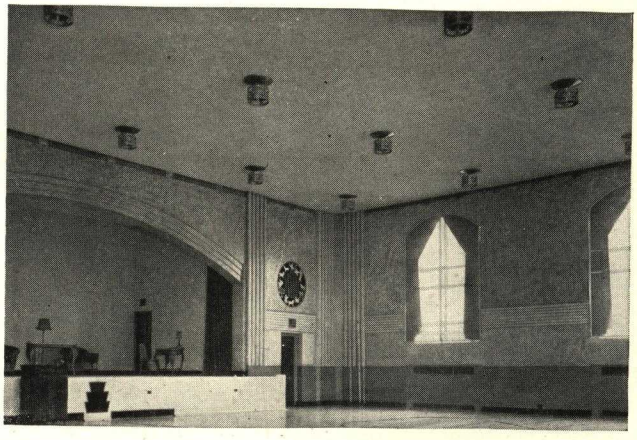
Macoustic shall be applied with a minimum of pressure and troweled to a uniform texture before the water sheen leaves the surface.

Painting

If higher than usual light reflection or special colors or decorative effects are desired, only water-thinned interior wall paints shall be used. The paint shall be applied by spraying. The first coat shall be thinned with one part of water to one part of paste; subsequent coats with two parts of water to one part of paste. If these precautions are observed there will be no appreciable loss of sound absorption. Gold Bond Sunflex Paints are particularly recommended because of their exceptional hiding power. They may be toned with Crafcolors to any desired tint or shade.



SCHOOLS. Good lighting, proper sound control are recognized aids to education. Macoustic is inexpensive enough for small schools yet appropriate for finest universities.



AUDITORIUMS. When used for assemblies, Macoustic reduces reverberations and makes hearing conditions ideal. When used in a gym, noise is effectively hushed.

ACOUSTICAL ENGINEERING SERVICE

ANYWHERE IN THE UNITED STATES

GOLD BOND Acoustical Contractors are experts in Sound Control. They are well-established, responsible concerns, trained and experienced in acoustical work of all kinds. Their reputation and standing are backed by a long list of outstandingly successful installations.

Located at strategic points throughout the United States, Gold Bond Acoustical Contractors are readily available for on-the-spot consultation. They will gladly recommend the materials and the type of installation best suited to the job.

Gold Bond Acoustical Contractors are equipped to handle any type of "sound conditioning" . . . whether it concerns the elimination of unwanted noise or the treatment of building interiors to provide better hearing conditions. Skilled, competent mechanics insure proper application of the acoustical materials.

The facilities of National Gypsum Company's Research Laboratories and its Engineering Department are ready to serve Government agencies or private interests having special sound control problems.

CALIFORNIA
Sound Control Company
Los Angeles
Van Arsdale & Harris Co.
San Francisco

COLORADO
John C. Reeves & Company
Denver

DELAWARE
Charles M. Wall, Inc.
Philadelphia, Pa.

DISTRICT OF COLUMBIA
Griffith-Consumers Company
Washington

FLORIDA
Walton Flooring Company
Miami

GEORGIA
Lewis & Company
Atlanta

ILLINOIS
Fisher-Busse Company
Chicago

INDIANA
John F. Kelley Company
Warsaw
General Insulation Co.
Evansville
General Asbestos & Supply Co.
Indianapolis
Fisher-Busse Company
Chicago, Ill.
Myron Cornish & Company
Dayton, Ohio

IOWA
H. B. Buckham & Company
Des Moines
Porter-Trustin Company
Omaha, Nebr.

KANSAS
Kelley Asbestos Products Co.
Wichita

KENTUCKY
Braun Acoustical Co.
Louisville
Myron Cornish & Company
Dayton, Ohio

LOUISIANA
J. A. Walsh & Company
Houston, Texas
Nachary Bldg. Supply Co.
New Orleans

MAINE
Dillaby Fireproofing Co.
Cambridge, Mass.

MARYLAND
Griffith-Consumers Company
Washington, D. C.
Charles M. Wall, Inc.
Philadelphia, Pa.

MASSACHUSETTS
Dillaby Fireproofing Co.
Cambridge

MICHIGAN
Wolverine Tile & Flooring Co.
Grand Rapids
John F. Kelley Company
Warsaw, Ind.
Turner-Brooks, Inc.
Detroit

MINNESOTA
Building Specialties Co.
Moorhead
The Hauenstein Company
Minneapolis

MISSOURI
Kelley Asbestos Products
Kansas City
Missouri Builders Specialty Co., Inc.
St. Louis

NEBRASKA
Porter-Trustin Company
Omaha

NEVADA
Van Arsdale & Harris Co.
San Francisco, Calif.

NEW HAMPSHIRE
Dillaby Fireproofing Co.
Cambridge, Mass.

NEW JERSEY
Charles M. Wall, Inc.
Philadelphia, Pa.

NEW YORK
National Acoustics
New York
M. F. Rees & Company
Buffalo

NORTH CAROLINA
Bost Building Equipment Co.
Charlotte
L. S. Febre Company
Norfolk, Va.

NORTH DAKOTA
Building Specialties Co.
Moorhead, Minn.

OHIO
Wilson Flooring Company
Columbus
George L. Freeman Co.
Toledo
Myron Cornish & Company
Dayton

OKLAHOMA
Kelley Asbestos Products Co.
Tulsa
Acoustical Sales & Plaster Co.
Oklahoma City

OREGON
Northwest Sound Control Co.
Seattle, Washington

PENNSYLVANIA
Lackawanna Linoleum Store
Scranton
Limbach Company
Pittsburgh
M. F. Rees & Company
Buffalo, N. Y.
Charles M. Wall, Inc.
Philadelphia

RHODE ISLAND
Dillaby Fireproofing Co.
Cambridge, Mass.

TENNESSEE
Eustis Lancaster Associates
Johnson City
Fischer Lime & Cement Co.
Memphis

TEXAS
J. A. Walsh & Company
Houston
Lydick Enterprises
Ft. Worth

VERMONT
Dillaby Fireproofing Company
Cambridge, Mass.

VIRGINIA
L. S. Febre Company
Norfolk
McL. T. O'Ferrall & Company
Richmond
Griffith-Consumers Company
Washington, D. C.

WASHINGTON
Northwest Sound Control Co.
Seattle

WEST VIRGINIA
Asbestos & Insulating Co.
Charleston

WISCONSIN
Taylor Insulation Company
Merrill
Fisher-Busse Company
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WYOMING
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